

**Purpose of Position/Summary:**

The STEM instructional coach will increase the quality and effectiveness of classroom instruction through observation and feedback, lesson-modeling, co-teaching, mentoring, and facilitating academic reflection. The coach will assist in aligning instruction with best practices in the integration of science, technology, engineering, and mathematics across content areas to meet the needs of all students.

**Essential Duties/Responsibilities:**

- Participate in training provided by the Indiana Department of Education (IDOE).
- Collaborate with local administrators and educators to:
  - Assist in instructional planning, and expand teachers' use of a variety of resources to provide high-quality STEM learning opportunities.
  - Create and monitor specific, measurable instructional goals.
  - Provide training on formative assessment administration based on the integration of science, technology, engineering, and mathematics.
  - Ensure that student achievement data is routinely collected, reported, and used to drive instructional decisions at the school- and classroom-level, while offering feedback and reflection.
  - Implement intensive professional development on high-quality instructional practices in STEM education in conjunction with IDOE.
  - Analyze data from a district, school, grade-level, classroom, and individual student perspective.
  - Model continuous learning, maintain current progress, and serve as a thoughtful resource for STEM advancement in the school.

**Credentials and Expertise:**

- Bachelor's degree required, Master's degree preferred, with a minimum of five years of experience. Expertise related to STEM content and pedagogy.
- Valid Indiana Teacher's License.
- Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations.
- Ability to write reports, business correspondence, and procedure manuals.
- Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.
- Ability to work with mathematical concepts such as probability, statistical inference, and fundamentals of plane and solid geometry and trigonometry.
- Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

- Ability to solve practical problems and utilize a variety of concrete variables in situations containing only limited standardization.
- Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.
- Ability to apply knowledge of current research and theory in instructional programs related to high-quality STEM instructional practices.
- Ability to plan and implement lessons based on high-quality STEM instructional practices reflecting the needs and abilities of all students.
- Ability to establish and maintain effective relationships with students, peers, and parents with skills in verbal and written communication.
- Ability to perform duties in compliance and accordance with all IDOE requirements, district requirements, and Board of Trustees policies.
- Ability to work successfully with a variety of personnel in the organization, including building principals, teachers, and students.